

C 1503–A

B.C.A.(Three Year) DEGREE EXAMINATION, OCTOBER/NOVEMBER 2017.

End Semester Examination

First Semester

Part II – Computer Applications

(Regular/Supplementary)

Paper III — PROGRAMMING USING C.

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. What are the key features of algorithm? Write an algorithm for sum of three numbers.
2. Write a syntax and example for function declaration.
3. What are constants? Explain each one.
4. Write a syntax and example to read matrix-A. using 'C'.
5. What is types casting? Give an example.
6. How can you declare array?
7. What are enumerated data types?
8. What is the significance of EOF?

PART — B

Answer ALL of the following questions. **(5 × 10 = 50 Marks)**

UNIT I

9. (a) Write about structured programming languages?

Or

- (b) What is an operators? Explain about operators.

Turn Over

UNIT II

10. (a) Define nested loop. Give an example for nested loops.

Or

- (b) How can you pass parameters to functions?

UNIT III

11. (a) Write 'C' program for sorting values using array.

Or

- (b) Write any five examples for string and character functions.

UNIT IV

12. (a) What are the arithmetic operators that are permitted on pointers?

Or

- (b) Write a 'C' program using "arrays of structures".

UNIT V

13. (a) How can you read data from a files and writing data from files.

Or

- (b) What are file operations?
